Supplementary Material

Table S1. Primer sequences of HO-1 and XIAP siRNA

Name	Sense (5'->3')	Antisense (5'->3')
HO-1 siRNA	CCUCAAAUGCAGUAUUUUUtt	AAAAAUACUGCAUUUGAGGct
XIAP siRNA	GAAUCUUAAUAUUCGAAGUtt	ACUUCGAAUAUUAAGAUUCcg

Figure S1

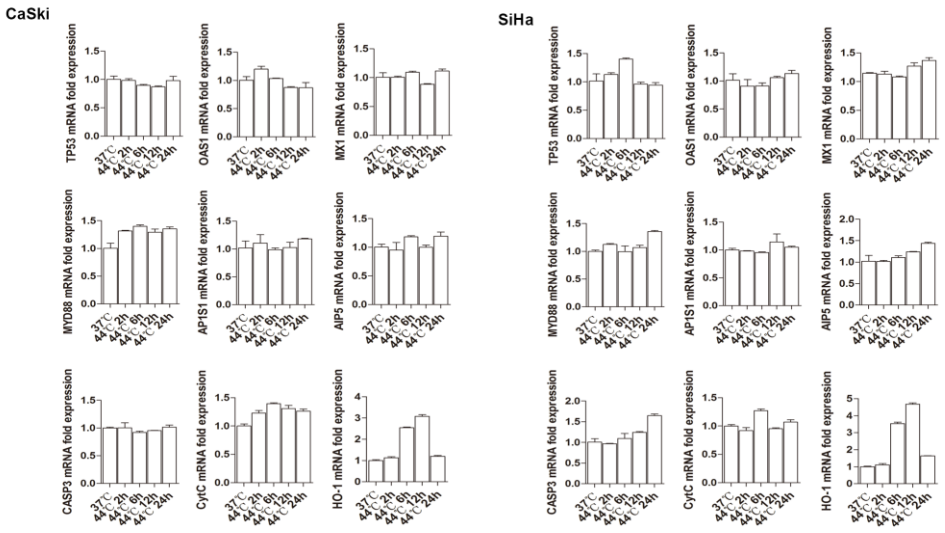

Figure S1. Hyperthermia induces HO-1 expression in CaSki and SiHa cervical cancer cells. Hyperthermia induces HO-1 mRNA expression in a time-dependent manner in both cell lines, but does not alter the expression of other genes examined.

Figure S2

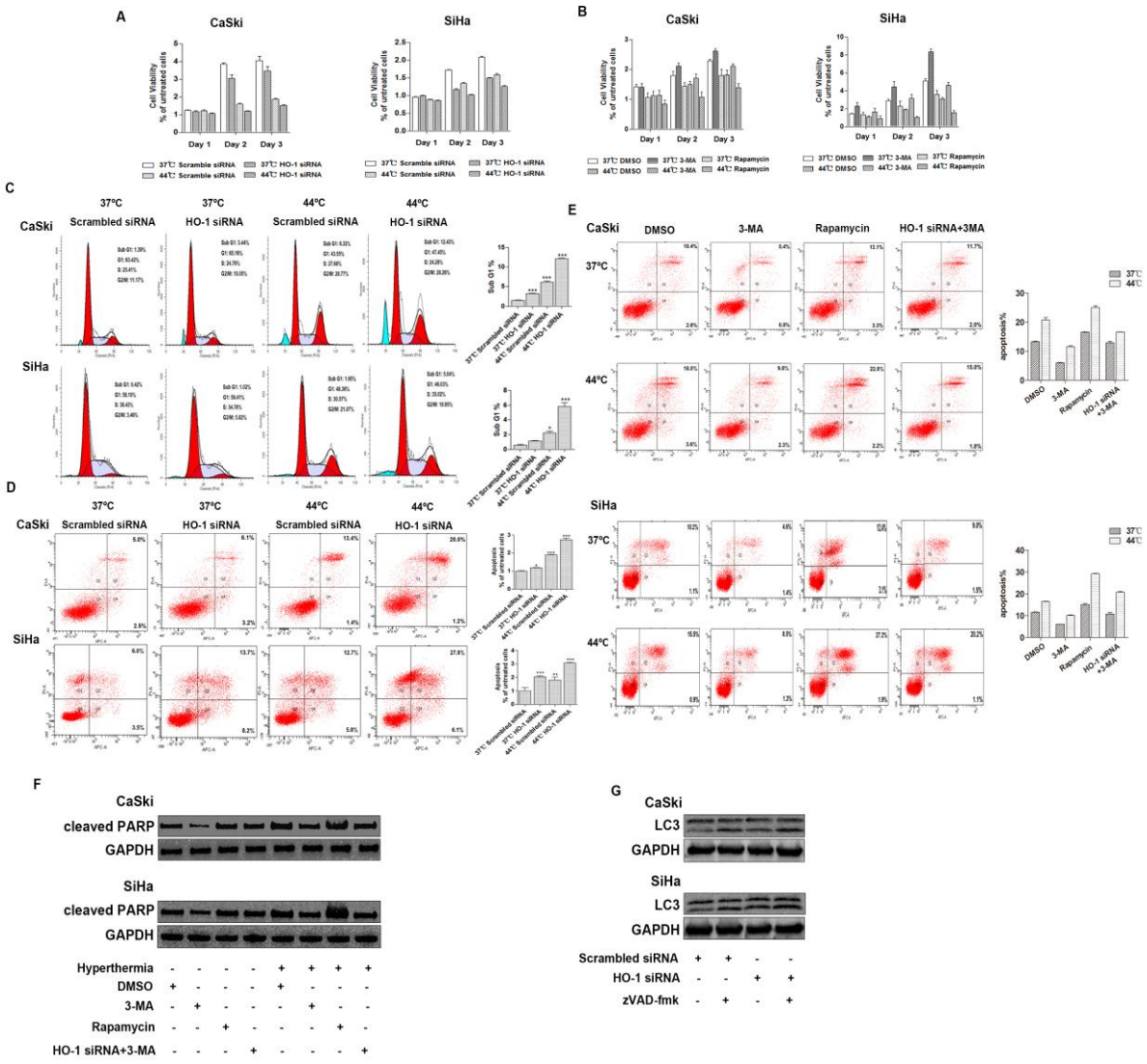

Figure S2. HO-1 knockdown promotes autophagic apoptosis in CaSki and SiHa cervical cancer cells. **(A)** CaSki cells and SiHa cells transiently transfected with HO-1 siRNA or scrambled siRNA were cultured in 96-well plates. After 24h incubation at 37 ℃ or 44 ℃, cell viability was measured by MTS assay on day 1, 2 and 3 as described in the Materials and Methods. **(B)** CaSki cells and SiHa cells were pretreated with DMSO, 3-MA (10 mM), or rapamycin (100 nM) for 2 hours and then incubated at 37 ℃ or 44 ℃ prior to MTS assay. **(C)** Flow cytometry analysis of sub G1 phase in CaSki cells and SiHa cells treated with hyperthermia and/or HO-1 siRNA.

(D) Representative images of flow cytometric analysis of apoptosis in CaSki and SiHa cells treated with hyperthermia and HO-1 siRNA. **(E)** Flow cytometric analysis of apoptosis of CaSki and SiHa cells treated with 3-MA, rapamycin, or HO siRNA, with or without hyperthermia. Cells were incubated with DMSO, 3-MA (10 mM), rapamycin (100 nM) or transfected with HO-1 siRNA 24 hours prior to exposure to 3-MA for 2 hours before treated with hyperthermia. Cleaved PARP was detected by western blot **(F)**. **(G)** CaSki and SiHa cells transfected with HO-1 siRNA alone or in combination with zVAD-fmk (20 μM) for 24 h, and the proteins were analyzed by western blot. The experiments were replicated three times. *p<0.05, **p<0.01, and ***p<0.001 (one way ANOVA). Each point represents the mean±SD.